



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b> <b>C12N 9/09, 15/00, A61K 38/54, C07H 21/04</b>	<b>A3</b>	<b>(11) International Publication Number:</b> <b>WO 00/08196</b> <b>(43) International Publication Date:</b> 17 February 2000 (17.02.00)
<b>(21) International Application Number:</b> PCT/US99/17678 <b>(22) International Filing Date:</b> 5 August 1999 (05.08.99) <b>(30) Priority Data:</b> 60/095,489 6 August 1998 (06.08.98) US <b>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application</b> US 60/095,489 (CIP) Filed on 6 August 1998 (06.08.98) <b>(71) Applicant (for all designated States except US):</b> DUKE UNIVERSITY [US/US]; 230 North Building, Research Drive, Box 90083, Durham, NC 27708-0083 (US). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> <del>HERSHFIELD</del> , Michael [US/US]; 4019 Bristol Road, Durham, NC (US); <del>KELLY</del> , Susan, J. [US/US]; 8104 Lair Court, Chapel Hill, NC (US). <b>(74) Agent:</b> SADOFF, B., J.; Nixon & Vanderhye P.C., Suite 800, 1100 North Glebe Road, Arlington, VA 22201-4714 (US).	<b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>  <b>(88) Date of publication of the international search report:</b> 30 March 2000 (30.03.00)	
<b>(54) Title:</b> URATE OXIDASE  <b>(57) Abstract</b>  The present invention relates, in general, to urate oxidase (uricase) proteins and nucleic acid molecules encoding same. In particular, the invention relates to uricase proteins which are particularly useful as, for example, intermediates for making improved modified uricase proteins with reduced immunogenicity and increased bioavailability.		